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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/538,805	06/13/2005	Kenichi Sawada	124235	8807
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EXAMINER				
TURNER, ASHLEY D				
ART UNIT		PAPER NUMBER		
2154				
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of Allowability**Application No.**

10/538,805

Applicant(s)

SAWADA, KENICHI

Examiner

ASHLEY D. TURNER

Art Unit

2154

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 6/23/2005.
2. ☒ The allowed claim(s) is/are 1-10.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 6/13/2005
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION

1. **Claims 1-10 is allowed.**

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee. Authorization for this examiner's amendment was given in a telephone interview with Dave Tucker on 3/17/2008.

3. The application has been amended as follows:

- a. Claims 1-10 is allowed.
- b. Claim 1. **(Currently Amended)** A support program ~~computer storage portion contain~~ for a web application server, said support program adapted for making a controller for the web application server execute processing (1) to (6) recited below, said controller being adapted to send web information to a client by using a communication unit, receive reply information with respect to said web information from said client via the communication unit, store the reply information into a storage unit and execute, according to processing steps of a series of said

processings stored in said storage unit, processings based on said reply information: (1) information-adding processing for adding client-specifying information to specify said client and web-specifying information to specify said web information to the web information; (2) information-sending processing for sending said web information to which said client-specifying information and said web-specifying information are added to said client in a specified one of said processing steps by using said communication unit; information-storing processing for storing said client-specifying information and said web-specifying information which are added to said web information and processing information related to said specified processing step at the time when said web information is sent to said client, into said storage unit every time said web information is sent to said client; (4) information-receiving processing for receiving the reply information returned from said client via said communication unit; (5) reply information-detecting processing for detecting whether or not the client-specifying information and the web-specifying information are included in the received reply information; and (6) service 'executing processing for obtaining a processing step subsequent to the processing step determined based on said processing information stored in said storage unit from said storage unit and executing the subsequent processing step when the client-specifying information and the web-specifying information are detected from said reply information and said detected client-specifying information and said web-specifying information are identical with said client-specifying information and said web-specifying information stored in said storage unit, respectively, and for executing the processing step determined based on said processing information stored in said storage unit again when the client-specifying information and the web-specifying information are detected from said reply information and said detected client-specifying information is

identical with said client-specifying information stored in said storage unit but said web-specifying information detected from said reply information is different from said web-specifying information stored in said storage unit.

Claim 2. **(Currently Amended)** The ~~support program~~ computer storage portion contain for the web application server according to claim 1, characterized ~~wherein said storage unit~~ comprises a data-declaration part to be used in said series of the processings as work areas for respective setting items of member variables and a data-storage part for storing data included in said reply information in said series of the processings for the respective setting items, and said support program for the web application server have said controller: discriminate, when a data entry form for having said client to input the data is included in said web information, a kind of a setting item of the input data to be inputted in said data entry form by said data-declaration part and store the kind of the setting item of the input data into said storage unit together with said client-specifying information, said web-specifying information and said processing information in said information-storing processing at the time when the web information is sent to said client; and store, when the client-specifying information and the web-specifying information detected from said reply information are identical with said client-specifying information and said web-specifying information stored in said storage unit, respectively, and the kind of the setting item of the input data detected from said reply information is identical with the kind of setting item of the input data stored in said storage unit, said detected input data into said data-storage part for

Art Unit: 2154

the respective setting items in said service-executing processing.

Claim 3. **(Currently Amended)** The ~~support program~~ computer storage portion contain for the web application server according to claim 2, characterized ~~wherein, when a plurality of said~~ data entry forms are included in said web information and when the kinds of the setting item of the input data to be inputted according to said data entry form overlap, said support program for the web application server have said controller: execute identifier-adding processing for adding an identifier for carrying out identification of the input data in which the kinds of the setting item overlap to every said data entry form and including the data entry forms in said web information, and at the same time, associate the kinds of the setting item of the input data inputted by said data entry forms with said identifiers and store the kinds of the setting item into said storage unit in said information-storing processing; and discriminate, when the kinds of the setting item of said input data detected from said reply information and the kinds of the setting item stored in said storage unit correspond at every identical identifier, the setting items of said detected input data based on the identifiers stored in said storage unit and store them into said data-storage part for the respective setting items in said service-executing processing.

Claim 4. **(Currently Amended)** The ~~support program~~ computer storage portion contain for the web application server according to claim 1, characterized in that ~~wherein a parallel processing is~~ implemented in said web application server by: saving information necessary to carry out said information-receiving processing in said storage unit to have said 20 controller to execute other processing after said information-storing processing; and restoring said saved information to

have said controller to resume said reply information-detecting processing when receiving said reply information in said information-receiving processing.

Claim 5. (Currently Amended) A support program computer storage portion contain for a web application server, said support program adapted for making a controller for the web application server execute processings (1) to (6) recited below, said controller being adapted to send web information in which a data entry form for having a client to input data is included to said client by using a communication unit, receive the input data inputted according to said data entry form from said client as reply information via the communication unit, and store said input data into a storage unit comprising a data-declaration part used as work areas for respective setting items of member variables and a data-storage part for storing the data included in said reply information for the respective setting 10 items: (1) information-adding processing for adding the data entry form for having said client to input the data to the web information; (2) information-sending processing for sending said web information to which said data entry form is added to said client by using said communication unit; (3) information-storing processing for discriminating a kind of a setting item of the input data to be inputted in said data entry form by said data-declaration part stored in said storage unit and storing the kind of the setting item of the input data into said storage unit 20 every time said web information is sent to said client; (4) information' receiving processing for receiving the reply information returned from said client via said communication unit; (5) reply information-detecting processing for detecting whether or not said input data is included in the received reply information; and (6) service-executing processing for, when said input data is detected from said reply information and the kind of the setting item of the detected

input data and the kind of the setting item stored in said storage unit are identical, storing said detected input data into said data-storage part for the respective setting items.

Claim 6. **(Currently Amended)** The ~~support program~~ computer storage portion contain for the web application server according to claim 5, characterized in that, when a plurality of said data entry forms are included in said web information and when the kinds of the setting item of the input data to be inputted according to said data entry form overlap, said support program for the web application server have said controller: execute identifier' adding processing for adding an identifier for carrying out identification of the input data in which the kinds of the setting item overlap to every said data entry form and including the data entry forms in said web information, and at the same time, associate the kinds of the setting item of the input data inputted by said data entry forms with said identifiers and store the kinds of the setting item into said storage unit in said information-storing processing; and discriminate, when the kinds of the setting item of said input data detected from said reply information and the kinds of the setting item stored in said storage unit correspond at every identical identifier, the setting items of said detected input data based on the identifiers stored in said storage unit and store them into said data-storage part for the respective setting items in said service-executing processing.

Claim 7. **(Currently Amended)** The support program computer storage portion contain for the web application server according to claim 5, characterized in that wherein a parallel processing is implemented in said web application server by: saving information necessary to carry out said information-receiving processing in said storage unit to have said controller to execute other

processing after said information-storing processing; and restoring said saved information to have said controller to resume said reply information-detecting processing when receiving said reply information in said information-receiving processing.

REASONS FOR ALLOWANCE

4. The following is an examiner's statement of reasons for allowance: Applicant's claim to a computer storage portion contain (6) service executing processing for obtaining a processing step subsequent to the processing step determined based on said processing information stored in said storage unit from said storage unit and executing the subsequent processing step when the client-specifying information and the web-specifying information are detected from said reply information and said detected client-specifying information and said web-specifying information are identical with said client-specifying information and said web-specifying information stored in said storage unit, respectively, and for executing the processing step determined based on said processing information stored in said storage unit again when the client-specifying information and the web-specifying information are 15 detected from said reply information and said detected client-specifying information is identical with said client-specifying information stored in said storage unit but said web-specifying information detected from said reply information is different from said web-specifying information stored in said storage unit. None of the prior arts of the search teach or suggest the claimed limitations.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ashley D. Turner whose telephone number is 571-270-1603. The examiner can normally be reached on Monday thru Friday 7:30a.m.-5:00p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan J. Flynn can be reached on 571-272-1915. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Ashley D Turner
Examiner
Art Unit 2154

ADT

/Nathan J. Flynn/

Application/Control Number: 10/538,805

Page 10

Art Unit: 2154

Supervisory Patent Examiner, Art Unit 2154